

Specification Amendments

On page 1, immediately after the title, please add the following two paragraphs:

Cross-Reference to Related Application

This application is the National Stage of International Application PCT/US03/01149, which claims the benefit of U.S. Provisional Application No. 60/350,269, filed January 17, 2002.

Statement Regarding Federally Funded Research or Development

The U.S. Government has a paid-up license in this invention and the right in limited circumstances to require the patent owner to license others on reasonable terms as provided by the terms of Grant No. CA72649 awarded by the National Institutes of Health.

On page 12, please amend the sentence at lines 7-8 as follows:

Panel b. All mutations located within the V-region (V186.2) of hybridoma P1-5 clones (SEQ ID NO:1) are shown.

On page 12, please amend the sentence at lines 1-2 as follows:

FIG. 6 summarizes results from experiments showing mutations in the AID transgene (SEQ ID NO:2) from Ramos, hybridoma P1-5, and CHO cells.

On page 25, please amend the sentences starting at line 12 and ending at line 18 as follows:

Primers for N114 V-region, 5' primer: TTACCTGGGTCTATGGCAGT (SEQ ID NO:3), 3' primer: TGAAGGCTCAGAATCCCCC (SEQ ID NO:4), and Cm2-3 region 5' primer: CCCCTCCTTTGCCGACATCTTCC (SEQ ID NO:5), 3' primer: TTCCATTCCTC-CTCGTCACAGTC (SEQ ID NO:6). Primers for Ramos and P1-5 V-region were published before (Zhang et al., 2001, Sack et al., 2001). Primers for P1-5 Cg1 exons 2-3: 5' primer: CACACAGCTCAGACGCAACCCC (SEQ ID NO:7), 3' primer: GGATCATTTACCAGGAGAGTGGGAGAGG (SEQ ID NO:8).

Please amend the sentences starting at page 34, line 31 - page 35, line 2 as follows:

Primers for AID, 5' primer: 5'GAGGCAAGAAGACACTCTGG3' (SEQ ID NO:9), 3' primer: 5'GTGACATTCCTGGAAGTTGC3' (SEQ ID NO:10); bcl 6, 5' primer: CCGCTCTTGCCAAATGCTTTG (SEQ ID NO:11), 3' primer: CACGATACTTCATCTCATCTGG (SEQ ID NO:12); c myc, 5' primer: AGAAAATGGTAGGCGCGCGTA (SEQ ID NO:13), 3' primer: TCGACTCATCTCAGCATTAAAG (SEQ ID NO:14).